

Applicant : Ignatious, Francis *et al.*

Serial No. : 09/171,740

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COMPLETE LISTING OF ALL CLAIMS, WITH MARKINGS AND STATUS IDENTIFIERS
(Currently amended claims showing deletions by ~~strikethrough~~ and additions by underlining)

1 (currently amended) : A method of making microparticles of a sustained release ionic conjugate containing a free carboxyl group-containing biodegradable polymer and a free amino group-containing drug which are ionically bonded to each other, the method comprising:

obtaining a first solution in which said conjugate is dissolved, wherein said solution comprises at least one part acetone, acetonitrile, ethyl acetate, tetrahydrofuran, glyme or any combination thereof;

adding said first solution through an atomizing nozzle to a ~~first liquid ethanol or isopropyl alcohol~~ to form a ~~first~~ dispersion, wherein ~~said first liquid is miscible with said first~~ solution, ~~and said conjugate is not soluble in said first liquid~~ and precipitates out of said ~~first~~ dispersion; and

isolating said conjugate from said ~~first~~ dispersion.

2 - 3 (canceled)

4 (previously amended) : A method according to claim 1, wherein said drug is a peptide.

5 (previously amended) : A method according to claim 1, wherein said biodegradable polymer is a polyester made of lactic acid, *e*-caprolic acid, glycolic acid, trimethylene carbonate, or *p*-dioxanone; or a copolymer thereof.

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6 (currently amended): A method according to any claim 1, wherein said drug is soluble in ~~said first liquid ethanol or isopropyl alcohol.~~

7 (previously amended): A method according to claim 1, wherein said biodegradable polymer is a polyester comprising lactic acid, or glycolic acid; or a copolymer thereof.

8 (original): A method according to claim 7, wherein said polyester further contains malic acid, tartaric acid, citric acid, succinic acid, or glutaric acid.

9 (previously amended): A method according to claim 4, wherein said peptide is a somatostatin or LHRH.

10 (canceled)

11 (currently amended): A method according to claim 10, wherein said ~~first liquid~~ is ethanol is maintained between about at a temperature below 0°C and at or above -30°C or isopropyl alcohol is maintained between about at a temperature below 0°C and at or above -70°C.

12 (previously amended): A method according to claim 1, wherein said first solution contains acetone or acetonitrile.

13 (previously amended): A method according to claim 1, wherein said first solution is obtained by:

dissolving said biodegradable polymer in a second liquid to form a second solution;

dissolving said drug in a third liquid to form a third solution, wherein said third liquid is miscible with said first liquid and said second liquid; and

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mixing said second solution and said third solution to form said first solution, wherein said mixing causes said drug to ionically bond to said biodegradable polymer and form said conjugate in said first solution.

14 (original): A method according to claim 13, wherein NaOH or KOH is added to the second solution prior to mixing said second solution and said third solution.

15 (previously amended): A method according to claim 13, wherein said second liquid is acetone; and said third liquid is water or acetone; or a mixture thereof.

16 (previously amended): A method according to claims 1, wherein said first solution is obtained by dissolving said biodegradable polymer and said drug in a second liquid to form said first solution, thereby forming said conjugate in said first solution.

17 (original): A method according to claim 16, wherein said second liquid is acetone or a mixture of acetone and water.

18 (original): A method according to claim 17, wherein said biodegradable polymer is first dissolved in said second liquid, a base is then added to said second solution, and said drug is subsequently dissolved in said second liquid.

19 (previously amended): A method according to claim 1, wherein said conjugate is isolated by centrifuging or filtering said first dispersion.

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20 (original): A method according to claim 19,
wherein said first solution is partially or completely evaporated
from said first dispersion prior to isolation of said conjugate.

21 (previously amended): A method according to claim 20,
comprising the additional steps of mixing said isolated conjugate
with an aqueous mannitol solution and vacuum drying said mannitol
solution.

22 - 39 (canceled)

40 (original): A method according to claim 8, wherein
said polyester comprises lactic acid, glycolic acid and tartaric
acid.

41 - 64 (canceled)

65 (original): A method according to claim 21 wherein
said polyester comprises lactic acid, glycolic acid and tartaric
acid.

66 - 67 (canceled)